

SUPERIOR BRASS & ALUMINUM CASTING CO.
4893 Dawn Ave.
East Lansing, MI 48823

ANNUAL REPORT OF HAZARDOUS WASTE EXPORTS FOR CALENDAR YEAR 2010

1. PRIMARY EXPORTER (Consignor)
Name: Superior Brass & Aluminum Casting Co.
EPA ID No: MID005339155
Mailing Address: 4893 Dawn Avenue
City: East Lansing State: MI Zip Code: 48823
Site Address: 4893 Dawn Avenue
City: East Lansing State: MI Zip Code: 48823
2. CALENDAR YEAR: 2010
3. DESIGNATED DISPOSAL FACILITY (Consignee)
Name: Newalta Corporation
Address: 1731 Pettit Road
Fort Erie, Ontario, Canada L2A 5M4
EPA ID No: MIK982753857
4. WASTE SENT to NEWALTA CORPORATION:
Waste Information:
Description of Waste: Waste Bag House Dust/Filters
EPA Hazardous Waste Number: D008 (lead) and D006 (Cadmium)
DOT Proper Shipping Name: Waste Environmentally Hazardous
Substance, Solid, NOS
DOT Hazard Class: 9
DOT ID Code (UN/NA): UN3077

Under:
US EPA Acknowledgement Numbers:
288/09, (June 11, 2009 – June 10, 2010)
236/10, (May 21, 2010 – May 17, 2011)

Environment Canada Permit Numbers:
09/00288/IMP, (June 11, 2009 – June 10, 2010)
10/00236/IMP, (May 21, 2010 – May 17, 2011)

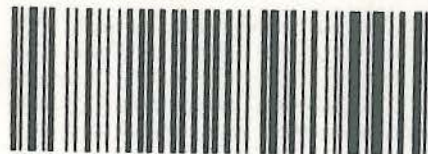
Shipping Information:
Number of Shipments during Calendar Year: Two (2)
a. On 05/14/10 shipped 1,723 pounds in 19, 55-gallon drums, (782 Kgs) via
transporter:
Harold Marcus Limited
EPA ID No: MIT270012321

Superior Brass & Aluminum Casting Co.

Quality Castings Since 1924

4893 Dawn Avenue

East Lansing, Michigan 48823-5694



7008 0500 0000 6625 0780



1000



20460

U.S. POSTAGE
PAID
OKemos, MI
48864
FEB 24, 11
AMOUNT

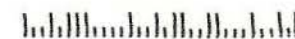
\$5.54

00035761-08

**RETURN RECEIPT
REQUESTED**

Office of Enforcement and Compliance Assurance
Office of Federal Activities
International Compliance Assurance Division (2254A)
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

Scott



TO: EIA

Mailstop: 2254A

Department:

Mailcode:

Pkg Condition

US POSTAL



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- b. On 11/03/10 shipped 1,508 pounds in 17, 55-gallons drums, (684 Kgs)
via transporter:
Harold Marcus LTD.
EPA ID No: MIT2710012321
- c. Total Volume of Waste shipped in calendar year 2010 summary:
Two shipments totaling 3,231 pounds, (1,466 Kgs) in 36, 55-gallon drums.

5. WASTE MINIMIZATION STATEMENT
☐ Not Required this year
☒ Attached

6. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Signed:  Date: 02-16-11

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2010 WASTE MINIMIZATION STATEMENT
FOR WASTE BAGHOUSE DUST

I. PRODUCTION

Waste baghouse dust is the collection of fumes generated by the melting of brass/bronze ingots. Lead and cadmium are the main toxic elements found in the fumes from our brass and bronze alloys melted. Cadmium is not even listed as a composition element in any of our brass/bronze alloys. Cadmium has been found only in trace amounts in these alloys. The collected fumes from the melting of these alloys pass through a dust collector where dust particles are removed from the air stream. The quantity and quality of this waste is based on customer orders for various brass/bronze parts pour out of various alloys. Superior Brass & Aluminum Casting Co, (Superior Brass) in calendar year 2010 poured nine different brass/bronze alloys.

SUPERIOR BRASS - BRASS/BRONZE ALLOYS POURED IN 2010

ALLOY ASTM DESIGNATION	ALLOWABLE % LEAD IN EACH ALLOY
C83600 (85-5-5-5)	4.0 -6.0 %
C86200 (423 MnBr)	Maximum 0.2 %
C86300 (424 MnBr)	Maximum 0.4 %
C86400 (420 MnBr)	0.5 – 1.5 %
C86500 (421 MnBr)	Maximum 0.4 %
C86700 (422 MnBr)	0.5 – 1.5 %
C87600 (Sil Br)	Maximum 0.09 %
C89836 (envirobrass)	Maximum 0.09 %
C99500 (NDZS specialty)	Maximum 0.09 %

II. MINIMIZATION

Superior Brass continues to work with our customers to try alternative alloys to replace the higher lead C83600 alloy. In the last two years we have increased the number of alloys we pour. We have just starting making parts out of C86300 and C89836 alloys. The parts poured out of these alloys make up less than 1% of the total parts we shipped in 2010. The C83600 parts make up less than 7% of our total parts shipped. We hope that our customers will find these alternative alloys as acceptable replacements and thus allowing us to pour larger amounts of the alternative alloys and less of the C83600 in the future.